

#10



SEQUENCE LISTING

<110> Kwon, Byoung S
<120> Antibody for 4-1BB
<130> 740.009US2 (IU-0008)
<140> US 10/067,122
<141> 2002-02-04
<150> US 08/012,269
<151> 1993-02-01
<150> US 07/922,996
<151> 1992-07-30
<150> US 07/267,577
<151> 1988-11-07
<160> 13
<170> PatentIn version 3.1
<210> 1
<211> 2350
<212> DNA
<213> Mus musculus
<220>
<221> misc_feature
<222> (1253)..(1255)
<223> n=a, c, g, or t

<400> 1
atgtccatga actgctgagt ggataaacag cacgggatat ctctgtctaa aggaatatta 60
ctacaccagg aaaaggacac attcgacaac aggaaaggag cctgtcacag aaaaccacag 120
tgtctgtgct atgtgacatt tcgccaatggg aaacaactgt tacaacgtgg tggtcattgt 180
gctgctgcta gtgggctgtg agaagggtggg agccgtgcag aactcctgtg ataactgtca 240
gcctggtact ttctgcagaa aatacaatcc agtctgcaag agctgcctc caagtacctt 300
ctccagcata ggtggacagc cgaactgtaa catctgcaga gtgtgtgcag gctatttcag 360
gttcaagaag ttttgtctct ctaccacaa cggggagtgt gagtgcattg aaggattcca 420
ttgcttgggg ccacagtga ccagatgtga aaaggactgc aggccctggcc aggagctaac 480
gaagcagggt tgcaaaacct gtagcttggg aacatttaat gaccagaacg gtactggcgt 540
ctgtcgaccc tggacgaact gctctctaga cgggaaggct gtgcttaaga ccgggaccac 600
ggagaaggac gtggtgtgtg gacccctgt ggtgagcttc tctccagta ccaccatttc 660
tgtgactcca gagggaggac caggaggga ctccttgca gtccttacct tgttcttggc 720
gctgacatcg gctttgtgct tggccctgat cttcattact ctctgttct ctgtgtctca 780

atgggatcagg aaaaaattcc cccacatatt caagcaacca ttttaagaaga ccaactggagc 840
 agctcaagag gaagatgctt gtagctgccg atgtccacag gaagaagaag gaggaggagg 900
 aggctatgag ctgtgatgta ctatcctagg agatgtgtgg gccgaaaccg agaagcacta 960
 ggaccccacc atcctgtgga acagcacaag caaccccacc accctgttct tacacatcat 1020
 cctagatgat gtgtggggcgc gcacctcatc caagtctctt ctaacgctaa catatttgtc 1080
 tttacctttt ttaaactctt ttttaaattt aaattttatg tgtgtgagtg ttttgccctgc 1140
 ctgtatgcac acgtgtgtgt gtgtgtgtgt gtgacactcc tgatgcctga ggaggtcaga 1200
 agagaaaggg ttggttccat aagaactgga gttatggatg gctgtgagcc ggnnngatag 1260
 gtcgggacgg agacctgtct tcttatttta acgtgactgt ataataaaaa aaaaatgata 1320
 tttcgggaat tgtagagatt ctctgacac ccttctagtt aatgatctaa gaggaattgt 1380
 tgatacgtag tatactgtat atgtgtatgt atatgtatat gtatatataa gactctttta 1440
 ctgtcaaaagt caacctagag tgtctgggta ccagggtcaat tttattggac attttacgtc 1500
 acacacacac acacacacac acacacacgt ttatactacg tactgttatac ggtattctac 1560
 gtcataataat gggatagggg aaaaggaaac caaagagtga gtgatattat tgtggagggtg 1620
 acagactacc ccttctgggt acgtagggac agacctcctt cggactgtct aaaactcccc 1680
 ttagaagtct cgtcaagttc ccggacgaag aggacagagg agacacagtc cgaaaagtta 1740
 tttttccggc aaatcctttc cctgtttcgt gacactccac cccttgtgga cacttgagtg 1800
 tcatccttgc gccggaaggc cagggtggtac ccgtctgtag gggcggggag acagagccgc 1860
 gggggagcta cgagaatcga ctcacagggc gcccggggct tcgcaaatga aactttttta 1920
 atctcacaag tttcgtccgg gctcggcgga cctatggcgt cgatccttat taccttatcc 1980
 tggcgccaag ataaaacaac caaaagcctt gactccggta ctaattctcc ctgccggccc 2040
 ccgtaagcat aacggggcga tctccacttt aagaacctgg ccgcgttctg cctgggtctcg 2100
 ctttcgtaaa cggttcttac aaaagtaatt agttcttgc ttcagcctcc aagcttctgc 2160
 tagtctatgg cagcatcaag gctggtatct gctacggctg accgctacgc cgccgcaata 2220
 aggggtactgg gcggcccgct gaaggccctt tggtttcaga aaccaaggc cccctcata 2280
 ccaacgtttc gactttgatt cttgccggta cgtgggtggt ggtgccttag ctctttctcg 2340
 atagttagac 2350

<210> 2
 <211> 256
 <212> PRT
 <213> Mus musculus

31
Ent

<400> 2

Met Gly Asn Asn Cys Tyr Asn Val Val Val Ile Val Leu Leu Leu Val
1 5 10 15

Gly Cys Glu Lys Val Gly Ala Val Gln Asn Ser Cys Asp Asn Cys Gln
20 25 30

Pro Gly Thr Phe Cys Arg Lys Tyr Asn Pro Val Cys Lys Ser Cys Pro
35 40 45

Pro Ser Thr Phe Ser Ser Ile Gly Gly Gln Pro Asn Cys Asn Ile Cys
50 55 60

Arg Val Cys Ala Gly Tyr Phe Arg Phe Lys Lys Phe Cys Ser Ser Thr
65 70 75 80

His Asn Ala Glu Cys Glu Cys Ile Glu Gly Phe His Cys Leu Gly Pro
85 90 95

Gln Cys Thr Arg Cys Glu Lys Asp Cys Arg Pro Gly Gln Glu Leu Thr
100 105 110

Lys Gln Gly Cys Lys Thr Cys Ser Leu Gly Thr Phe Asn Asp Gln Asn
115 120 125

Gly Thr Gly Val Cys Arg Pro Trp Thr Asn Cys Ser Leu Asp Gly Arg
130 135 140

Ser Val Leu Lys Thr Gly Thr Thr Glu Lys Asp Val Val Cys Gly Pro
145 150 155 160

Pro Val Val Ser Phe Ser Pro Ser Thr Thr Ile Ser Val Thr Pro Glu
165 170 175

Gly Gly Pro Gly Gly His Ser Leu Gln Val Leu Thr Leu Phe Leu Ala
180 185 190

Leu Thr Ser Ala Leu Leu Leu Ala Leu Ile Phe Ile Thr Leu Leu Phe
195 200 205

Ser Val Leu Lys Trp Ile Arg Lys Lys Phe Pro His Ile Phe Lys Gln
210 215 220

Pro Phe Lys Lys Thr Thr Gly Ala Ala Gln Glu Glu Asp Ala Cys Ser
225 230 235 240

B1
Cont

```
<210> 3
<211> 24
<212> PRT
<213> Mus musculus
```

Cys Arg Val Cys Ala Gly Tyr Phe Arg Phe Lys Lys Phe Cys Ser Ser
1 5 10 15

```
<210> 4
<211> 22
<212> PRT
<213> Drosophila
```

Cys Pro Val Cys Phe Asp Tyr Val Ile Leu Gln Cys Ser Ser Gly His
1 5 10 15

<210>	5
<211>	26
<212>	PRT
<213>	Dictyostelium

Cys Pro Ile Cys Phe Glu Phe Ile Tyr Lys Lys Gln Ile Tyr Gln Cys
1 5 10 15

```
<210> 6
<211> 6
<212> PRT
<213> Mus musculus
```

```
<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> X=any amino acid
```

B!
cont

<400> 6

Val Gln Asn Ser Xaa Asp
1 5

<210> 7
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 7

Cys Arg Pro Gly Gln Glu Leu Thr Lys Ser Gly Tyr
1 5 10

<210> 8
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<220>
<221> MISC_FEATURE
<222> (2)..(3)
<223> X=any amino acid

<220>
<221> MISC_FEATURE
<222> (5)..(13)
<223> X=any amino acid

<220>
<221> MISC_FEATURE
<222> (15)..(17)
<223> X=any amino acid

<220>
<221> MISC_FEATURE
<222> (19)..(21)
<223> X=any amino acid

<220>
<221> MISC_FEATURE
<222> (23)..(23)
<223> X=any amino acid

<400> 8

Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa

B1
cont

6

1

5

10

15

Xaa His Xaa Xaa Xaa Cys Xaa Cys
20

<210> 9
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 9

Cys Arg Cys Pro
1

<210> 10
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> X=any amino acid

<400> 10

Cys Xaa Cys Pro
1

<210> 11
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 11
acctcgaggt cctgtgcatg tgaca

25

<210> 12
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic

B1
cont

<400> 12
atgaattctt actgcaggag tgccc

25

<210> 13
<211> 11
<212> PRT
<213> Mus musculus

<400> 13

Cys Arg Pro Gly Gln Glu Leu Thr Lys Gln Gly
1 5 10

B1